# CSIR in Media





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# How CIMAP helped farmers strike gold

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LUCKNOW: Embracing the scientific know-how disseminated by CSIR laboratories in UP, a number of cultivators who had been farming traditionally for generations and facing losses due to poor yields, are now affluent.

A day before National Science Day, HT spoke to some farmers who are making profits using the latest innovations developed by the Central Institute of Medicinal and Aromatic Plants (CIMAP).

Blue bulls and monkeys often damaged the crops and what was left was at the mercy of the weather.

Virendra earlier used bulls to plough the fields. But now, with profits multiplying each year, he has bought a tractor. "I could never dream of buying a bike for myself. But with my income going up immensely in the past few years, I thought of buying a tractor. In addition to making my work easy, it has also ensured me income since I give it on rent to other farmers also," he said.

#### VIRENDRAKUMAR, AHMEDPUR, RAE BARELI Virendra had never imagined that some seeds of medicinal

plants taken from the CIMAP in 2005 would end all his woes. Struck by the decreasing ground water level, the farmer had lost all hopes. But expert guidance of CIMAP scientists of changed his fortunes.

He said, "I was a poor farmer tilladecade back. But CIMAP has made me a popular man today. I sell truckloads of artemesia (a medical plant used in anti-malaria drugs) every year." Once a farmer, now an entrepreneur, Virendra Kumar today has nearly 300 farmers in more than 30 villages working under his guidance.

#### HARAK CHAND VERMA. SITAPUR

Harak Chand, who switched to cultivation of medicinal and aromatic plants under the guidance of CIMAP scientists in 2007, has not looked back.

Now, 80% of his land is used to grow medicinal and aromatic plants. "Icultivate wheat and rice only to meet the family's needs. The rest of the land is devoted to medicinal farming," he said.

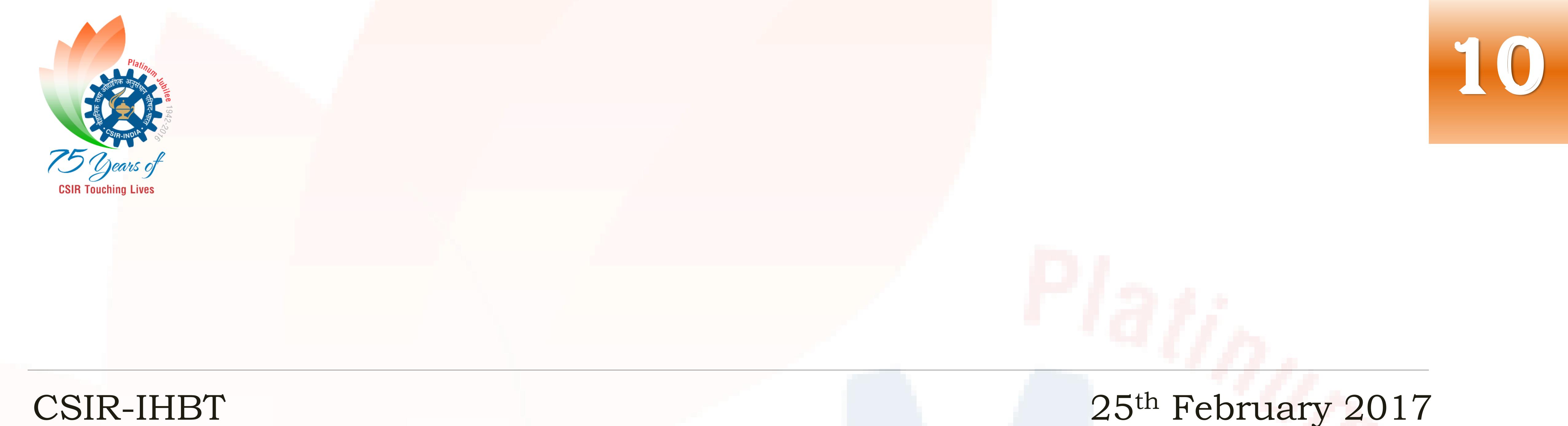
"The best part is that the profits have multiplied manifold and the risks have been minimised. There are no threats to these plants from cattle and there isn't much problem of market also," he said.

"Till 2005, I was into traditional farming and sowed wheat, rice, peas, peanuts and vegetables.

Starting as a small scale farmer, Harak now has his own tractor, vehicles and house. His daughters go to a good school and he has plans for their future.

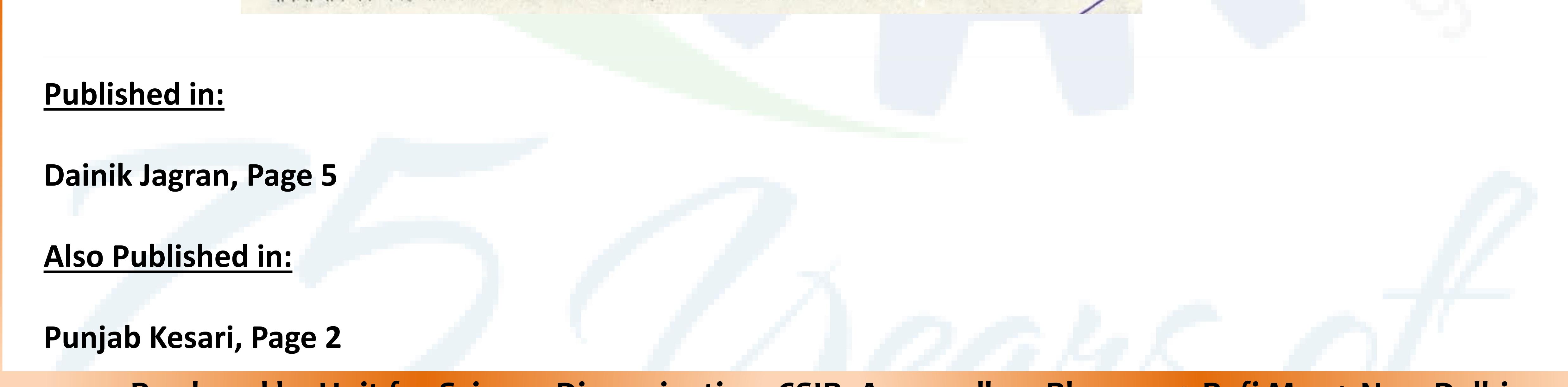
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ब्नियादी ढांचे और सुविधाओं, शिल्प, कला, पानी और स्वच्छता, अक्षय ऊर्जा, प्रदेश उद्योग विभाग व आइएचबीटी के बीच समझौता प्रपत्र पर हस्ताक्षर करते अतिरिक्त निदेशक स्वास्थ्य, स्वच्छ तकनीक, कृषि, बागवानी उद्योग विभाग जितेंद्र कुमार व आइएचबीटी निदेशक डॉ. संजय कुमार 💿 जागरण और संबंधित क्षेत्रों, खाद्य प्रसंस्करण, रूप में विकसित करेगा। इस समझौता खदरा, पर्यटन और आतिथ्य, मोबाइल, पहल आइटी और आइटीइएस हार्डवेयर व जैव ज्ञापन के तहत रुपये प्रदान करने का आइएचबीटी पालमपुर एवं उद्योग प्रौद्योगिकी के क्षेत्र में युवाओं को उद्योग प्रावधान नहीं है। एमओयू के अनुसार. निदेशालय के मध्य एमओयू हस्ताक्षरित में नवाचार के लिए प्रेरित करना है। यह जिस शिक्षित युवा की परियोजना को केंद्र युवाओं को ऊष्मायन केंद्र सलाह सीएसआइआर व अधिकार समिति प्रस्तावित युवा को एक वर्ष तक प्रति सेवाओं, प्रयोगशालाओं के लिए उपयोग प्रस्तावित करेगी, उसे एक वर्ष तक माह 25,000 जीविका भत्ता मिलेगा व सुविधाओं आदि के माध्यम से नवीन प्रति माह 25,000 रुपये जीविका भत्ता परियोजनाओं का समर्थन करेगा। समझौते के रूप में प्रदान किए जाएंगे। नवाचार डॉ. आरके सूद ने बताया कि एमओयू के मुताबिक संस्थान क्षेत्र में व्यापार के नए परियोजनाओं को मार्केट में उतारने में में प्रदेश उद्योग विभाग के अतिरिक्त विचारों की पहचान करने के साथ नौकरी सहायता स्वरूप व्यक्ति को अधिकतम निदेशक जितेंद्र सिंह व आइएचबीटी की चाहत रखने वाले शिक्षित युवाओं को 10 लाख रुपये की सहायता व्यवसाय शुरू संस्थान के निदेशक डॉ. संजय कुमार ने नौकरी पाने की जगह नौकरी निर्माता के करने के लिए दी जाएगी। संस्थान प्रवक्ता हस्ताक्षर किए।







# Need to create a scientific culture of excellence in schools: Dr. Arvind





The Jharkhand Chapter of the National Academy of Sciences, India (NASI) jointly with CSIR-National

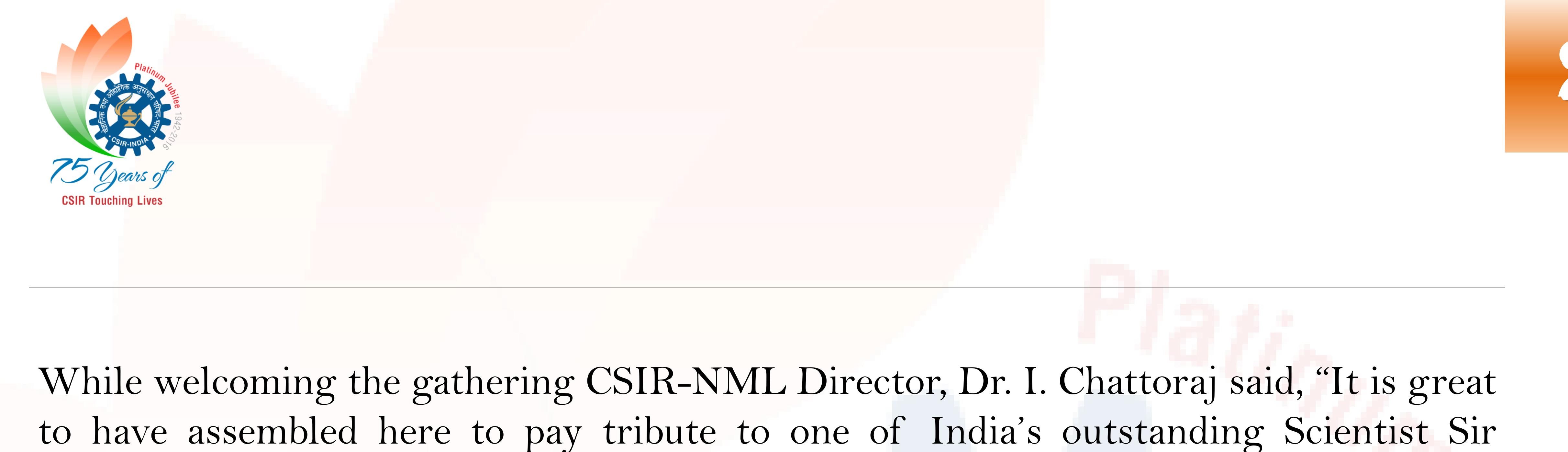
more than 350 students from Jamshedpur based institutions eminent like – Jamshedpur Women's

28<sup>th</sup>

Metallurgical Laboratory, Jamshedpur celebrated the National Science Day on Monday, February 27 with great pomp and show.

### In addition to NML Scientific and technical staff

College, Karim City College and The Graduate College participated in the programme. More than 50 teachers / principals from different schools in and around Jamshedpur city also attended as invitees.

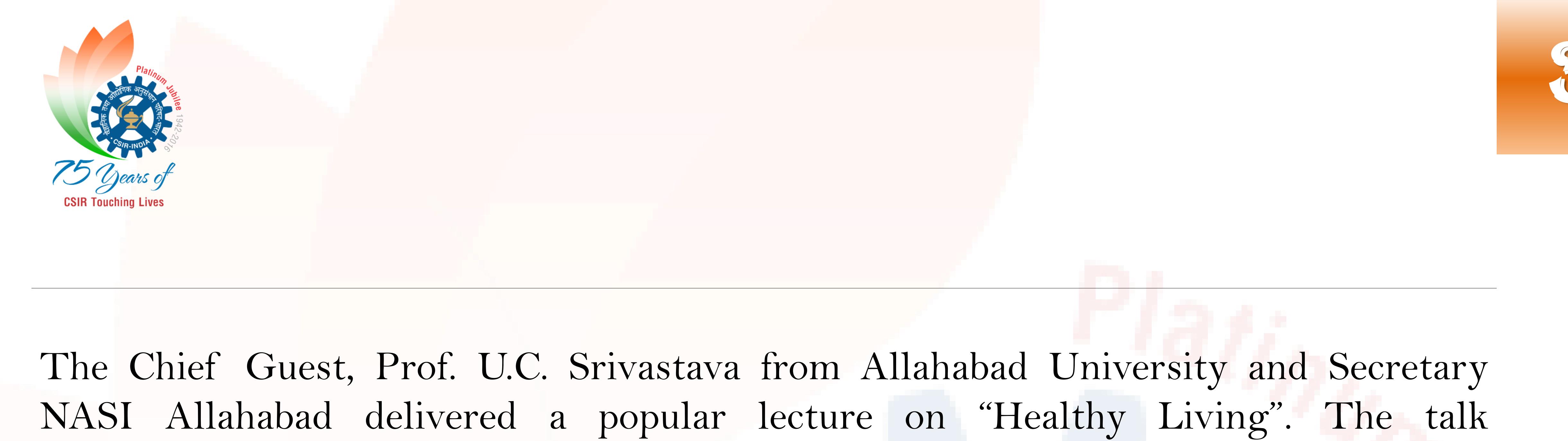


Chandrashekhar Venkataraman whose announcement of the Raman Effect is what we today celebrate as Science Day.

Much before C.V Raman India was a cradle of science". However, since Independence, the impact on Global Science has been negligible. He added "On this day of the discovery of the Raman Effect, it is time to introspect what is going wrong". Dr. Chattoraj stressed upon the fact the now we should start thinking differently. We should learn to "Question the Answers" and should learn to enjoy what we do.

While delivering the welcome address by the Chairman Jharkhand Chapter of NASI, Dr. Arvind Sinha said, You may be aware that India celebrates Science Day on February 28th every year, to commemorate the announcement of the discovery of the Raman Effect by Sir C.V. Raman for which he was Awarded the Nobel Prize for Physics in 1930. Although several Indians have since won the Nobel Prize in Science, these were for work carried abroad and is not credited to India. Given the rich pool of human resources in India and our illustrious heritage and legacy in Science and Technology, Achieving scientific excellence and leadership in the immediate future

would be possible if we can create a scientific culture of excellence in the school around the city and ignite the passion of several young minds to pursue Science. For this, we are going to give away two Best teacher Awards for two city based teachers – "Ms. Sahana and Ms. K. Jaishree".



encompassed a detail on the healthy foods and ideal lifestyle. Today we are facing health related problem as because we are not aware of the recommended diet.

He talked about the adverse effect of junk foods, tobacco, alcohol, insufficient sleep. Dr. Srivastava presented the list of seasonal fruits and vegetables and their usefulness in maintaining good health.









## NML wants 'Raman Effect' to inspire students for science studies, research



28<sup>th</sup> February 2017

# K. Jaishree and Ms. Sahana bag 'Best Science teacher Award 2017'

Jamshedpur, Feb. 27: Professor U.C. Srivastava from Allahabad University and Secretary National Academy of Sciences, India (NASI) Allahabad gave away the "Best Science Teacher Award-2017 for Jamshedpur Region" to Ms. K. Jaishree of JUSCO School South Park, Bistupur and Ms. Sahana of Vidya Bharati Chinmaya Vidyalaya, Telco. The award has been sponsored Metallurgical Laboratory innovative "Fun Do by Jharkhand State Chapter of NASI. The teachers received Rs. 100000 each and citation. The teachers were felicitated during the



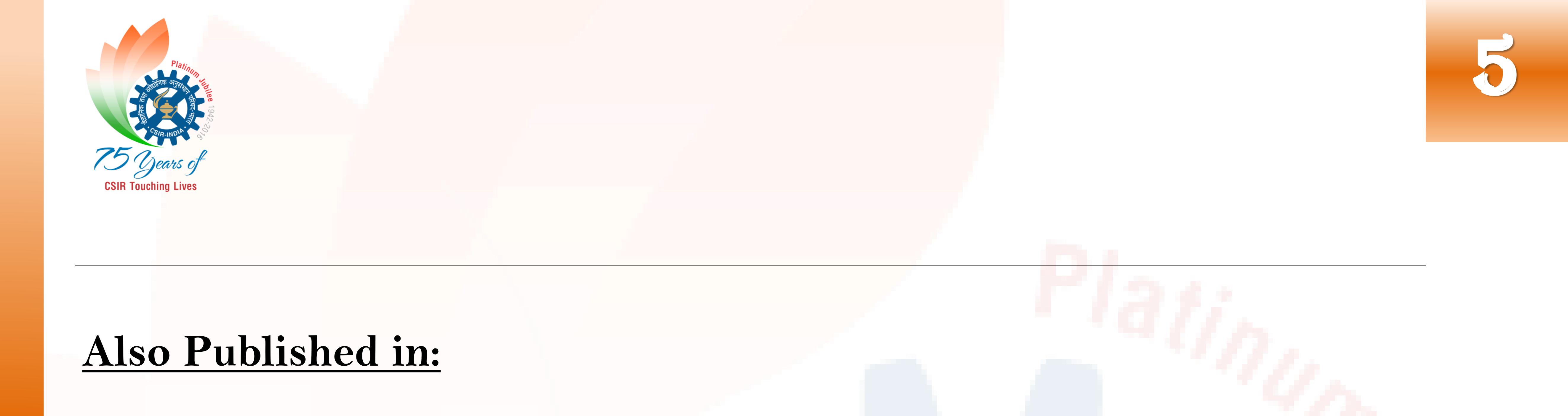
ization have also been recognized by various forums including Central Board of Secondary Education. Ms. Sahana, a PGT,

bration at CSIR-National vated students through her on Monday, February 27. Ms. K. Jaishree, a PGT, Senior School Coordinator at JUSCO School South Bistupur, Park,

Science" Teaching, involving making of simple toys based on strong scientific concepts and virtual laboratories. Besides teaching, her

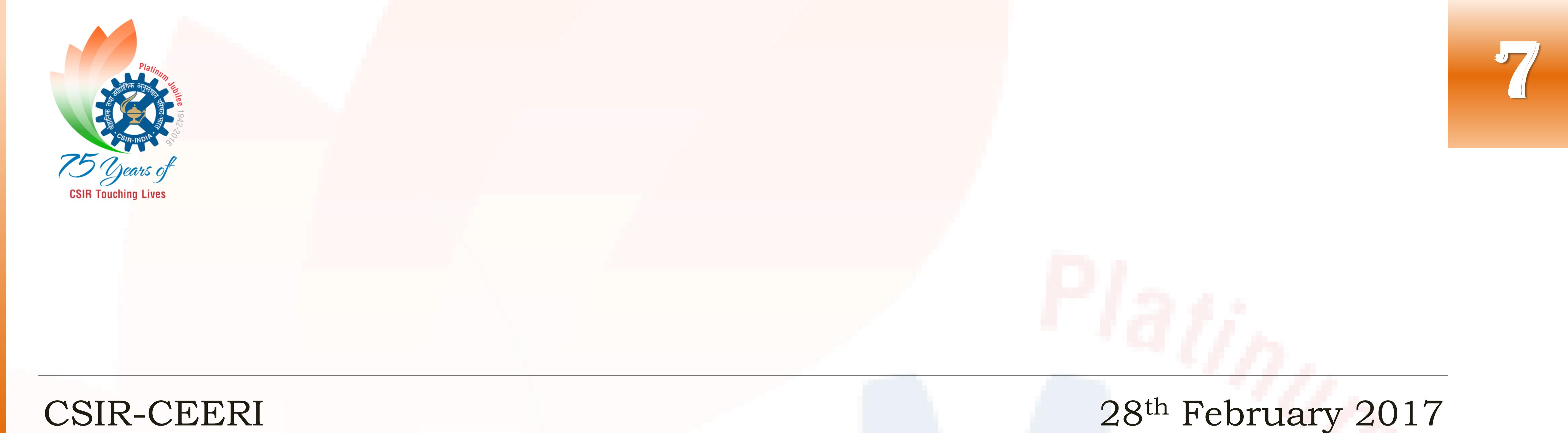
Biotechnology & Biology, of Vidya Bharati Chinmaya Vidyalaya, Telco, Jamshedpur. She has motivated students to see "out of the box" solutions and encourage students towards promoting conservation of natural resources and sustainable development. Her endeavors have already been recognized by different educational forums, including





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